

BeyondTrust Appliance U-Series Software 4.1.0 Release Notes

October 12, 2023

New Features and Enhancements:

- Redesigned the Appliance Software User Interface, including upgraded controls and Shell features, to improve usability.
- Upgraded Angular versions to 15 for the Deployment & Configuration Wizard, Web Console, and SCL.
- Added a dark mode option in the Appliance Software User Interface user preferences.
- Improved functionality for **Notifications** in the Appliance Software User Interface:
 - Top 10 notifications more visible in the UI with more details provided
 - Added a link to view all notifications in **Notifications** grid where you can manage notifications and view more details about each notification.
- Replaced the **Roles Editor** page with the **Appliance Feature Configuration** page to better reflect the functionality it provides, which is the ability to modify the features and services running on your BeyondTrust U-Series Appliance. Also, updated the design of the functionality to improve usability as follows:
 - Replaced the tile design for each role with a toggle switch for each feature.
 - Each feature contains an expandable panel that allows the same settings customization that was available in the previous Roles Editor, with dependency checking built-in, and the ability to compare your pending changes against the current configuration.
- Replaced the **Diagnostics** application with a **Performance Counters Dashboard** that is now the **Home** page for the Appliance Software User Interface and added the following functionality:
 - Updated performance meters and a new performance over time graph, which allows you to switch from CPU to the other built-in performance counters.
 - Added the ability to view historical data and export it to CSV format.
 - Added a graphical slider to represent the performance counter thresholds, including the optional counters.
- Added a new **Service Status** page where you can:
 - Enable and disable alerts for status changes in services.
 - View the status of services.
 - Stop, start, and restart services.
- Added the ability to create a remote BeyondInsight database when configuring the **BeyondInsight Database Access** feature.
- Added new scheduling options, new logs, and granular control over which logs get exported on **Log File Export** page.
- Added new appliance health events to track both successful and failed logon attempts, as well as appliance reboots.
- Improvements made to the BeyondInsight for Unix & Linux feature configuration to make it more stable.
- Relocated the configuration settings for RDP and Console Access, IP, and BITS from the deprecated **Maintenance** application to the new **Network** page.
- Relocated the **Ping Command** and **Network Configuration** features from the deprecated **Diagnostics** application to the new **Network** page.
- Relocated the **Backup and Restore** settings from the deprecated **Maintenance** application to the new **Business Continuity** page and added granular visibility and control over backup contents.

- Relocated the **Cold Spare** setup from the deprecated **Roles Editor** to the new **Business Continuity** page.
- Relocated the ability to schedule an appliance reboot from the deprecated **Maintenance** application to the new **Business Continuity** page, under **Power Options**.
- Relocated the configuration of **High Availability** from the deprecated **Roles Editor** to the new **Business Continuity** page.
- Implemented a new wizard-like design for configuring **High Availability**, improving the user experience.
- Relocated the following features from the deprecated **Maintenance** application to the new **Security and Compliance** page: Administrator Credentials, Certificate Management, Security Protocols, Client Connections, Local Computer Policy, Pre-Login Banner, Data Encryption Key, and LCD Panel.
- Improved appliance hardening:
 - Added security event logs for exporting and downloading.
 - Added 15 character minimum password length.
- Relocated license validation features to implement banner warnings indicating which licenses are expired.
- Updated the Deployment & Configuration Wizard to reflect new appliance application terminology.
- Enforced custom password complexity rules set within BeyondInsight when changing the BeyondInsight Admin password.
- Proxy settings and database upgrades depend upon BeyondInsight version 23.2.
- Updated the Installer by removing outdated code and checks and support for Windows 2012.

Feature Mapping

Many features were relocated and renamed in the Appliance Software User Interface. The below table provides a mapping between the features in the 4.0 release and the new features in the 4.1 release.

Feature in 4.0.x Appliance Software User Interface	Feature in 4.1.0 Appliance Software User Interface
Roles Editor	Features and Services > Appliance Feature Configuration
High Availability	Business Continuity > High Availability
Diagnostics > Dashboard > Disk / CPU / SQL Memory / RAM Usage	Home (Dashboard)
Diagnostics > Dashboard > Total CPU Usage Over Last Week	Home (Dashboard)
Diagnostics > Dashboard > Services Running	Features and Services > Service Status
Diagnostics > Dashboard > Analyzer Report	Deprecated
Diagnostics > Dashboard > Windows Activation	Software and Licensing > Product Licensing
Diagnostics > Appliance Health > Started / Stopped Services	Features and Services > Service Status
Diagnostics > Appliance Health > Service Alerts	Features and Services > Service Status
Diagnostics > Tools > Network Configuration	Network > Diagnostic Tools
Diagnostics > Tools > Ping	Network > Diagnostic Tools
Diagnostics > Appliance Logs > Appliance Logs	Features and Services > Appliance Logs
Diagnostics > Appliance Logs > Log Export	Integrations > Log File Export
Diagnostics > Release Notes (external link)	Deprecated
Diagnostics > Performance Counters > Notification Settings	Features and Services > Performance Counters
Diagnostics > Performance Counters > Base & Selectable Counters	Features and Services > Performance Counters

Maintenance > BeyondTrust Updates > Appliance Software Versions	Software and Licensing > Software Versions
Maintenance > BeyondTrust Updates > Security Updates	Software and Licensing > Security Updates
Maintenance > BeyondTrust Updates > Update Method	Deprecated
Maintenance > Schedule a Reboot > Restart Settings	Business Continuity > Power Options
Maintenance > Backup and Restore > Backup	Business Continuity > Backup and Restore
Maintenance > Security Settings > Download CryptoKey Options	Security and Compliance > Data Encryption Key
Maintenance > Security Settings > Upload CryptoKey Options	Security and Compliance > Data Encryption Key
Maintenance > Security Settings > Event Service SSL Requirement	Security and Compliance > Client Connections
Maintenance > Security Settings > FIPS Compliance Checking	Security and Compliance > Local Computer Policy
Maintenance > Security Settings > HTTP Strict Transport Security	Security and Compliance > Client Connections
Maintenance > Security Settings > Analytics and Reporting Web Service Endpoints	Features and Services > Appliance Feature Configuration > SQL Server Reporting Service
Maintenance > Security Settings > Upload Certificate	Security and Compliance > Certificate Management
Maintenance > Security Settings > Generate SSL Certificate	Security and Compliance > Certificate Management
Maintenance > Security Settings > Export Client Certificate	Security and Compliance > Certificate Management
Maintenance > Security Settings > Security Protocols	Security and Compliance > Security Protocols
Maintenance > Network and RDP Settings > Remote Desktop Protocol	Network > RDP & Console Access
Maintenance > Network and RDP Settings > IP Settings	Network > IP Settings
Maintenance > Network and RDP Settings > Appliance SMTP Settings	Network > Email
Maintenance > Network and RDP Settings > BeyondInsight SMTP Settings	Network > Email
Maintenance > Network and RDP Settings > Proxy Settings	Network > Proxy Server
Maintenance > Network and RDP Settings > BITS Throttle Settings	Network > BITS
Maintenance > Accounts and Licensing > Evaluation Details	Software and Licensing > Product Licensing (BeyondInsight tab)
Maintenance > Accounts and Licensing > Product Serial Numbers	Software and Licensing > Product Licensing (BeyondInsight tab)
Maintenance > Accounts and Licensing > Activate Product Serial Numbers	Software and Licensing > Product Licensing (BeyondInsight tab)
Maintenance > Accounts and Licensing > Windows License Status	Software and Licensing > Product Licensing (Microsoft tab)
Maintenance > Accounts and Licensing > Activate Windows	Software and Licensing > Product Licensing (Microsoft tab)
Maintenance > Accounts and Licensing > SQL Server License Status	Software and Licensing > Product Licensing (Microsoft tab)
Maintenance > Accounts and Licensing > Microsoft Key Management Server Configuration	Software and Licensing > Product Licensing (Microsoft tab)
Maintenance > Accounts and Licensing > Appliance Software Versions	Software and Licensing > Software Versions

Maintenance > Accounts and Licensing > Change Admin Password	Security and Compliance > Software Versions
Maintenance > Accounts and Licensing > Configure RADIUS Authentication	Deprecated
Maintenance > General Settings > Date/Time Settings	Integrations > Date and Time Configuration
Maintenance > General Settings > NTP Server & Auto Synchronization Options	Integrations > Date and Time Configuration
Maintenance > General Settings > BeyondInsight License Cache	Deprecated
Maintenance > General Settings > Pre-Logon Banner Settings	Security and Compliance > Pre-Login Banner
Maintenance > General Settings > Customize System Email 'From' Address	Integrations > Email
Maintenance > General Settings > LCD Panel (Hardware Only)	Security and Compliance > LCD Panel (Hardware Only)
Maintenance > Appliance Hardening	Security and Compliance > Local Computer Policy
Maintenance > API Key Maintenance > API Key Maintenance	Integrations > API Key Maintenance
Maintenance > Database Utilities > Create a Remote BeyondInsight Database	Features and Services > Appliance Feature Configuration > BeyondInsight Database Access
Notifications > Appliance Notifications > View All Notifications	Notifications > View All Notifications
Notifications > Configure Notifications > Email Address for Current User	Profile > Change Email
Notifications > Configure Notifications > Email Notification Settings	Notifications > Configure Notifications
Notifications > Configure Notifications > Forwarding Health Events to BeyondInsight	Integrations > Health Event Forwarding
Settings > Default Mode / Dark Colors	Profile > Preferences > Theme

Issues Resolved:

- Resolved an issue where after an API key exchange, the appliance could not communicate.
- Resolved an issue where duplicate schedule records were created in conjunction with Cold Spare.
- Resolved an issue where disabling the option to allow incoming remote database connections for the SQL Server database was not taking affect.
- Resolved several Backup and Restore bugs.
- Resolved an issue where the Deployment & Configuration Wizard was forcing a re-run of the wizard when it timed out on the Completion page.
- Resolved an issue where restarting the BT Appliance System Info Service was causing dependent services to stop.
- Resolved an issue where testing email settings in an air-gapped environment was generating *500 Unexpected Internal error has occurred*.
- Resolved an issue where applying roles was timing out when disabling multiple roles at once.

Known Issues:

- Receive error when trying to change the timezone on a hardware image.
- Grid title bar in right corner on the **Security Updates** page doesn't hide the titles when scrolling the grid title.

- On the **Appliance API Keys** page, when the cursor is pointed at the center of the **X** button, the name of the button is not displayed, and it is not possible to delete the registration code.
- On the **Backup and Restore** page, the text above the **Password** box is too small. It is 10 pixels as opposed to the required 12 pixels.
- When resuming an incomplete deployment wizard, the machine name is populated but must be altered before proceeding.
- When an admin account is disabled, and you attempt to create the admin user in the deployment wizard, an error message is not returned to indicate the account is disabled.
- On the **Appliance API Keys** and **Diagnostic Tools** pages, the padding between the banner and white card is off for the Microsoft banner.

Notes:

- The installation of version 4.1 is dependent on BeyondInsight 23.2.
- This update is available through BT Updater or as a manual installer from the download tool.
- .NET Core 3.1.22 or later is required (available through BT Updater via Supporting Software SUPI subscription).
- .NET 6.0.13 or later is required (available through BT Updater via Supporting Software SUPI subscription).
- SUPI 3.2 is required (available through BT Updater).
- RADIUS Support within the Appliance Software (not BeyondInsight) has been removed. Users desiring RADIUS authentication to the Appliance application can enable single-signon for BeyondInsight user accounts.
- Medium Availability (a High Availability feature) has been removed. After upgrade to the 4.1 release, users with this configured automatically fail over without waiting for approval.